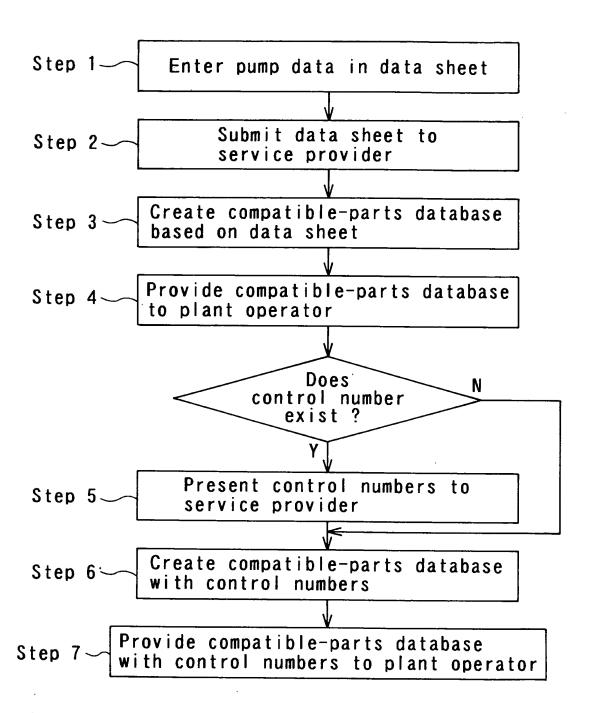
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Comments																						
Year				1983	1983	1975	1975	1976	1991	1990	1983	1983	1983	1983		1983	1983	1983	1983			
		Power		3. 7KW	3.7k₩	3, 7k#	11/4	116#	11kW	13. 48kW	13. 48kW	17¥ ¥¥	11¥ ¥	37k#	37k₩	37k₩	3. 7k#	3,7⊀₩	3.7k#	5. 5k₩		5. 5K
Specifications		Flow rate Head Rotational	peeds	3500min-1	3560min-1	3560min-1	40M 3550min-1	3550min-1	40M 3550min-1	3560min-1	3560min-1	3530min-1	3530min-1	3530min-1	3530min-1	3430min-1	30M 3490min-1	3400min-1	3490min-1	30M 3460min-1		1-01 Je 2650min-1
Speci		Head			M 06	₩06	40M	40M	40M	20M	20M	20 K	200	42M	42M	42M	30M	₩08		30M		
		Flow rate		64M3/H	100M3/H	100M3/H	40M3/H	40M3/H	40M3/H	70M3/H	H/8M07	35M3/H	35M3/H	160M3/H	160M3/H	160M3/H	8M3/H	15M3/H		25M3/H	1400L/MIN	
Numbering	of the	dwnd		1/1	1/2	2/2	1/2	2/2	1/1	1/1	1/1	1/2	2/2	1/2	2/2	2/2	1/1	1/2	2/2	1/1		
leb		Series					18145A	18145A	18145A											/		
Size/model		Model name		100ULSM	100×80 FWM	100×80 FWM	80×50ULSM	80×50ULSM	80×50ULSM	80×501FWM	80×501FWM	50×401FWM	50×401FWM	150×1001FWM	150×1001FWM	150×1001FWM	40×251FWM	40×251FWM	WAT TO	1		
Serial	number			197523	RD80056-02	RD80056-02	R580520-03 80×50ULSM	R580520-03	R680459	RM80259	RK21341	RD18774-01	RD18774-01	RD18774-02	RD18774-02	E000001010	RD18774-03	PD18774-04				
Equipment	number			P-0404-C	P-0502-A	P-0502-B	P-0910-A	P-0910-B	P-0910-C	P-1336-A	P-1336-B	P-0401-A	P-0401-B	P-0921-A	P-0921-B	P-0921-B	P-0931-					
Pump name				WASTE SOLVENT PUMP	LOW PRESSURE FLUSE	LOW PRESSURE FLUSE	WASTE SOLVENT BUFF	WASTE SOLVENT BUFF	WASTE SOLVENT BUFF	RW BOOSTER PUMP		a a	PCW CIRCULATION PUMP	CHIN CIRCULATION PUMP	CHIN CIRCULATION PUNP	CHIN CIRCULATION PUMP	ONDENSATE PUMP	WASTE	<u> </u>			
Plant	name			161	167	16T	16T	161	161	161	161	IPET	1PET	IPET	IPET	IPET	ם	1PET	IPET	1957	V	

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Number	of the	parts	-	_	-	-	-	-	1	-	-	-	-	-	-			-	_	-
Material	of the	part	ST35C	S35C	SUS316	SUS316	SUS316	SUS316	SUS316	SUS316	SUS316	SUS316	SUS316	SUS316	SUS316	SUS316	SUS316	SUS316	SUS316	SUS316
Part name			IST-130S-72	IST-130S-72	IST-140S-72(Recommended)	IST-140S-72(Recommended)		IST-140S-72(Recommended)	IST-140S-72(Recommended)	IST-140S-72(Recommended)	IST-130S-72	IST-140S-72	IST-140S-72	IST-140S-72	IST-140S-72	IST-150SA-73	IST-150 SB -73	IST-150SB-73	IST-150SB-73	-LST-150SB-73
Part code			CIFS1-3001	CIFS1-3001	CIFS1-3077	CIFS1-3077	CIFS1-3077	CIFS1-3077	CIFS1-3077	CIFS1-3077	CIFS1-3076	CIFS1-3077	CIFS1-3077	CIFS1-3077	CIFS1-3077	CIFS1-3078	CIFS1-3079	CIFS1-3079	CLES1-3079	7
Number	of the	sdwnd	-	_	-	-	-	-	-	-	_	_	_	_		_	-	_		
Number ing	of the	dwnd	12	1/1	1/2	2/2	1/2	2/2	1/2	2/2	151	1/2	2/2	1/2	2/2	1/1	1/2	2/2		
Serial	number		RJ18835-03	RJ18835-04	RK 17872-10	RK17872-10	RK17872-06	RK 17872-06	RK 17872-09	RK 17872-09	RK 17671-07	RE80215-01	RE80215-01	RK17871-06	RK 17871-06	RK 17871-05	RK 17871-09	RK 17871-09		
Size/model			50×401FSM	50×401FSM	100×801FSM	100×801FSM	80×501FSM	80×50 IFSM	100×801FSM	100×801FSM	40x251FSM	100×801FSM	100×801FSM	80×501FSM	80×501FSM	100×801FSM	150×1001FSM	150×1001FSM	150×1001ESM	1
Ритр пате			E-201 SCRUB' NG PUMP	T-401 SCRUB'NG PUMP	PP-0404-A WASTE SOLVENT PUMP	PP-0404-B WASTE SOLVENT PUMP	PP-0410-A DRYER SCRUBBER BOT	PP-0410-B DRYER SCRUBBER BOT	PP-0901-A WASTE SOLVENT FEED	WASTE SOLVENT FEED	RESIDUE CIRCULATION	P- 0101-A DISSOLVER FEED BOO	P- 0101-8 DISSOLVER FEED BOO	TP-0505-A RESIDEUE CENTRIFUGE	TP-0505-B RESIDEUE CENTRIFUCE	TP-0301-B MOTHER LIQUOR TRAIN	PP-0304-A CENTRIFUGE FEED PUMP	PP-0304-B CENTRIFUGE FEED PUMP	PP-0402-A RVF FEED PUMP	-0402-B RVF FEED PUMP
Equipment	number		P-0201	P-0401	PP-0404-A	PP-0404-B	PP-0410-A	PP-0410-B	PP-0901-A	PP-0901-B	TP-0509	P- 0101-A	P- 0101-B	TP-0505-A	TP-0505-B	TP-0301-B	PP-0304-A	PP-0304-B	PP-0402-A	8-7070
Plant	name		AF	¥	361	361	367	361	361	367	367	15%	767	361	36	10%	367	361		7

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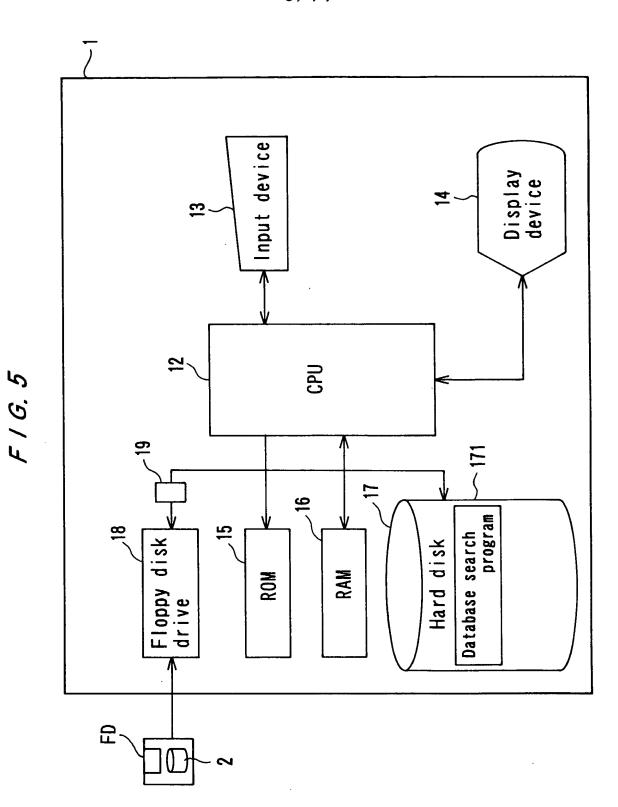
OBLON, SPIVAK, ET AL DOCKET #: 201387US2 INV: Sadao HONJO, et al. SHEET 4 OF 14

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LOW PRESSIRE FLUSE 100x801FWM R080036-02 1/2 1 10101-2413 Impeller 100x80-25KC SSS13	Plant Equipment	t Pump name	Size/model	Serial	Numbering Number Part code	Number	Part code	g.	Part name	Material	Number	Number Control	Amount
LOW PRESSLARE FLUSE 100x801FWM R080056-02 1/2 1 C1C01-2413 Impel let 100x80-25MC SSS13				number	of the	of the				of the	of the	number	2.
LOW PRESSURE FLUSE					dumd	sdund				part	parts		stock
LOW PRESSIFE FLUSE 100x801FWM RD80056-02 2/2 1 C1C01-2413 Impeller 100x80-25NC	2-A	-	100×801FWM	RD80056-02	1/2	_	CIC01-2413	Impeller	100×80-25NC	SCS 13	1		
WASTE SOLVENT BLIFF BOX50ULSM R5B0520-03 1/2 1 CLCSI-2043 Impelier B0X50S 18 WASTE SOLVENT BLIFF BOX50ULSM R5B0520-03 2/2 1 CLCSI-2043 Impelier B0X50S 18 WASTE SOLVENT BLIFF BOX50ULSM R5B0459 1/1 1 CLCSI-2043 Impelier B0X50S 18 RW BOXSTER PLUP BOX50LLSM R680459 1/1 1 CLCOI-2157 Impelier B0X50S 18 RW BOXSTER PLUP BOX50FWM RR21341 1/1 1 CLCOI-2157 Impelier B0X50-20 NC RW BOXSTER PLUP BOX50FWM RR21341 1/1 1 CLCOI-2157 Impelier B0X50-20 NC RCW CIRCULATION PLUP BOX50FWM RR21341 1/1 1 CLCOI-2403 Impelier B0X50-20 NC RCW CIRCULATION PLUP BOX40FWM RD18774-01 2/2 1 CLCOI-2403 Impelier B0X50-10 NC CHW CIRCULATION PLUP BOX40FWM RD18774-02 1/2 1 CLCOI-2403 Impelier B0X50-10 NC CHW CIRCULATION PLUP BOX40FWM RD18774-02 1/2 1 CLCOI-2403 Impelier B0X50-10 NC CHW CIRCULATION PLUP BOX40FWM	2-B	⊢	100×801FWM	RD80056-02	2/2	-	CIC01-2413	Impeller	100×80-25NC	SCS 13			
WASTE SOLVENT BUFF BOX50ULSM R580520-03 2/2 1 CICSI-2043 Impeller B0X50S 18 WASTE SOLVENT BUFF BOX50ULSM R680459 1/1 1 CICSI-2043 Impeller B0X50S 18 RW BOCSTER PUMP BOX50FWM RR80259 1/1 1 CICCI-2157 Impeller B0X50-20 NC RW BOCSTER PUMP BOX50FWM RK21341 1/1 1 CICCI-2157 Impeller B0X50-20 NC RCW CIRCULATION PUMP BOX50FWM RK21341 1/2 1 CICCI-2403 Impeller B0X50-20 NC RCW CIRCULATION PUMP BOX40FWM RD18774-01 2/2 1 CICCI-2403 Impeller B0X50-20 NC CHW CIRCULATION PUMP BOX40FWM RD18774-02 2/2 1 CICCI-2403 Impeller B0X40-10 NC CHW CIRCULATION PUMP BOX100FWM RD18774-02 1/2 1 CICCI-2403 Impeller B0X40-10 NC CHW CIRCULATION PUMP A0x251FWM RD18774-02 2/2 1 CICCI-2415 Impeller B0X40-10 NC WASTE WATER PUMP A0x251FWM RD18774-04 1/2 <td>4-0</td> <td>┢</td> <td>80×50ULSM</td> <td>R580520-03</td> <td>1/2</td> <td>-</td> <td>CICS1-2043</td> <td>Impeller</td> <td>80x50S 18</td> <td>SCS14</td> <td>1</td> <td></td> <td></td>	4-0	┢	80×50ULSM	R580520-03	1/2	-	CICS1-2043	Impeller	80x50S 18	SCS14	1		
WASTE SOLVENT BUFF 80x50LSM R680459 1/1 1 CICSI-2043 Impeller 80x50LSM R880259 1/1 1 CICOI-2157 Impeller 80x50-20 NC	-B	╁	80×50ULSM	R580520-03	2/2	-	CICS1-2043	Impeller	80×50S 18	SCS14	1		
FW BOCSTER PLUP 80x50FWM RW80259 1/1 1 CICO1-2157 Impeller 80x50-20 NC	၂	⊢	80×50ULSM	R680459	1/1	-	CICS1-2043	Impeller	80x50S 18	SCS 14	-		
RCW CIRCULATION PURP 80x50FWM RK21341 1/1 1 1 1 1 1 1 1 1	9-A	1	80×50FWM	RM80259	1/1	-	CIC01-2157	Impeller	80×50-20 NC	FCD400	1		
RCW CIRCULATION PURP FOW CIR	9-9	-	80×50FWM	RK21341	1/1	-	CIC01-2157	Impeller	80×50-20 NC	FCD400	1		
CHW CIRCULATION PURP 50x40FWM RD18774-01 2/2 1 C1C01-2403 Impeller 80x40-20 NC	Y	\vdash	80×40FWM	RD18774-01	1/2	-	CIC01-2403	Impeller	80×40-20 NC	SCS 13	1		
CHW CIRCULATION PURP 150x100FWM RD18774-02 1/2 1 CLC01-2115 Impeller 150x100-16X NC CHW CIRCULATION PURP 150x100FWM RD18774-02 2/2 1 CLC01-2115 Impeller 150x100-16X NC CONDENSA TE PURP 40x251FWM RD18774-03 1/1 1 CLC01-2941 Impeller 40x25-16 NC WASTE WATER PURP 40x251FWM RD18774-04 1/2 1 CLC01-2941 Impeller 40x25-16 NC DCW BOOSTER PURP 50x401FWM RD18774-05 1/1 1 CLC01-2941 Impeller 40x25-16 NC DCW BOOSTER PURP 50x401FWM RD18774-05 1/1 1 CLC01-2941 Impeller 40x25-16 NC DLSSOLVER FEED BOO 100x801FSW REB0215-01 1/2 1 CLF1-2192 Impeller 100x80-25 D1SSOLVER FEED BOO 100x801FWM REB0215-01 2/2 1 CLF1-2192 Impeller 450x80-20 NC DLSSOLVER FEED BOO 100x801FWW REB0215-02 1/2 1 CLC01-2362 Impeller 450x80-20 NC RD18201FWW REB0215-02 1/2 1 CLC01-2353 Impeller 450x80-20 NC RD2401FWM REB0215-02 1/1 1 CLC01-2353 Impeller 450x80-20 NC RD3401FWW REB0215-03 1/1 1 CLC01-2353 Impeller 450x80-20 NC RD3401FWW RD3401FW	12		50×40FWM	RD18774-01	2/2	-	CIC01-2403	Impeller	80×40-20 NC	SCS 13	1		
CONDENSA TE PURP 40x251FMM RD18774-02 2/2 1 C1C01-2115 Impeller 150x100-16x NC CONDENSA TE PURP 40x251FMM RD18774-03 1/1 1 C1C01-2941 Impeller 40x25-16 NC WASTE WATER PURP 40x251FMM RD18774-04 1/2 1 C1C01-2941 Impeller 40x25-16 NC DCW BOOSTER PURP 50x401FMM RD18774-05 1/1 1 C1C01-2941 Impeller 40x25-16 NC DCW BOOSTER PURP 50x401FMM RD18774-05 1/1 1 C1C01-2941 Impeller 40x25-16 NC DISSOLVER FEED BOO 100x801FSM RE80215-01 1/2 1 C1FS1-2192 Impeller 450x40-13 NC DISSOLVER FEED BOO 100x801FWM RE80215-02 1/2 1 C1C01-2362 Impeller 450x80-20 NC CLO1-2362 Impeller 450x80-20 NC CLO1-2363 Impeller 450x80-20 NC RE80215-03 1/1 1 C1C01-2363 Impeller 450x80-20 NC TO CLO1-2353 Impeller 450x80-20 NC TO CLO1-2353 Impeller 450x80-20 NC TO CLO1-2406 TMPEL TMPEL TO CLO1-2406 TMPEL T	1-A	\vdash	150×100FWM	RD18774-02	1/2	_	CIC01-2115	E .	150×100-16X NC		l		
WASTE WATER PURP 40x251FMM RD18774-03 1/1 1 C1C01-2941 Impeller 40x25-16 NC WASTE WATER PURP 40x251FMM RD18774-04 1/2 1 C1C01-2941 Impeller 40x25-16 NC DCW BOOSTER PURP 40x251FMM RD18774-04 2/2 1 C1C01-2941 Impeller 40x25-16 NC DCW BOOSTER PURP 50x401FMM RD18774-05 1/1 1 C1C01-2101 Impeller 450x40-13 NC D1SSOLVER FEED BOO 100x801FSM REB0215-01 1/2 1 C1F51-2192 Impeller 450x80-25 D1SSOLVER FEED BOO 100x801FSM REB0215-02 1/2 1 C1C01-2362 Impeller 450x80-20 NC D1SSOLVER FEED BOO 100x801FWM REB0215-02 1/2 1 C1C01-2362 Impeller 450x80-20 NC D1SSOLVER FEED BOO 100x801FWM REB0215-02 1/2 1 C1C01-2363 Impeller 450x80-20 NC D1SSOLVER FEED BOO 100x801FWM REB0215-03 1/1 1 C1C01-2363 Impeller 50x80-20 NC D0x801FWM REB0215-03 1/1 1 C1C01-2363 Impeller 50x80-20 NC D0x801FWM REB0215-03 1/1 1 C1C01-2406 Impeller 50x80-20 NC D0x801FWM REB0215-04 IMPELRE 50x80-20 NC Impeller 50x80-20 NC D0x801FWM REB0215-04 IMPELRE	19	┼┈	150×100FWM	RD 18774-02	2/2	_	CIC01-2115	Impeller	150×100-16X NC	FC200	1		
WASTE WATER PURP WASTE WATER PURP DCW BOOSTER PURP DCW BOOSTER PURP DISSOLVER FEED BOO DISSOLVER FEED BO	_	CONDENSA TE PUMP	40×251FWM	RD18774-03	1/1	-	CIC01-2941	Impeller	40x25-16 NC	SCS 13	1		
WASTE WATER PUBP 40x25 FMM RD18774-04 2/2 1 C1C01-2941 Impeller 40x25-16 NC	1-A	┢	40×251FWM	RD18774-04	1/2	-	CIC01-2941	lmopeller	40x25-16 NC	SCS 13	-		
DCW BOOSTER PURP 50x401FMM RD18774-05 1/1 1 C1C01-2101 Impeller 450x40-13 NC DISSOLVER FEED BOO 100x801FSM REB0215-01 1/2 1 C1FS1-2192 Impeller 100x80-25 DISSOLVER FEED BOO 100x801FMM REB0215-01 2/2 1 C1FS1-2192 Impeller 100x80-25 DISSOLVER FEED BOO 100x801FMM REB0215-02 1/2 1 C1C01-2362 Impeller 450x80-20 NC DISSOLVER FEED BOO 100x801FMM REB0215-02 1/2 1 C1C01-2362 Impeller 450x80-20 NC BOX 401FMM REB0215-03 1/1 1 C1C01-2353 Impeller 50x80-20 NC BOX 401FMM REB0215-03 1/1 1 C1C01-2406 Impeller 50x80-20 NC	4	t	40x251FWM	RD18774-04	2/2	-	CIC01-2941	lmopeller	40x25-16 NC	SCS 13	-		
DISSOLVER FEED BOO 100x801FSM REB0215-01 1/2 1 CIFS1-2192 Impeller 100x80-25	_	DOW BOOSTER PUMP	50×401FWM	RD18774-05	1/1	-	CIC01-2101	lmopeller	450×40-13 NC	FC200	-		
DISSOLVER FEED BOO 100x801FSM REB0215-01 2/2 1 CIFS1-2192 Impeller 100x80-25	¥-	-	100×801FSM	RE80215-01	1/2	1	CIFS1-2192	Impeller	100×80-25	SCS14	-		
100x801FWM RE80215-02 1/2 1 C1C01-2362 Impeller 450x80-20 NC 100x801FWM RE80215-02 2/2 1 C1C01-2362 Impeller 450x80-20 NC 100x801FWM RE80215-03 1/1 1 C1C01-2353 Impeller 50x80-20 NC 1/2 1 C1C01-2406 1 1 C1C01-2406 1 1 C1C01-2406 1 1 C1C01-2406 1 1 1 1 1 1 1 1 1	4	1-	100×80 IFSM	RE80215-01	2/2	_	CIFSI-2192	Impeller	100×80-25	SCS 14	1		
100x801FWM RE80215-02 2/2 1 C1C01-2362 50x401FWM RE80215-03 1/1 1 C1C01-2353 RG80097-01 1/1 1 C1C01-2406	1	+1	100×80 FWM	RE80215-02	1/2	-	CIC01-2362	Impeller	450x80-20 NC	SCS 14	-		
RE80215-03 1/1 1 C1C01-2353 R080097-01 1/1 1 C1C01-2406			100×80 I FWM	RE80215-02	2/2	_	CIC01-2362	Impeller	450×80-20 MC				I
1/1		Y	EOX401FW	RE80215-03	1/1	1	CIC01-2353	Impeller	<u> </u>				
110				RG80097-01	1/1	-	CIC01-2406	1					
					1/9	-	1						

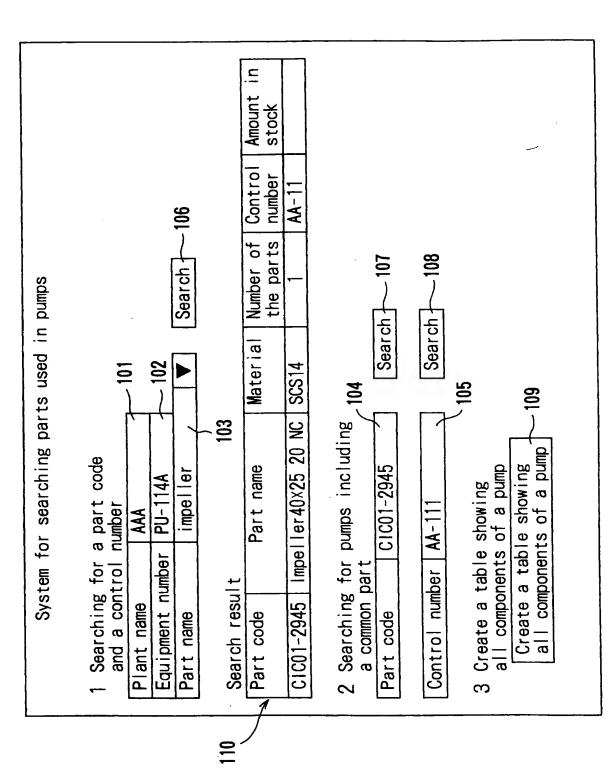


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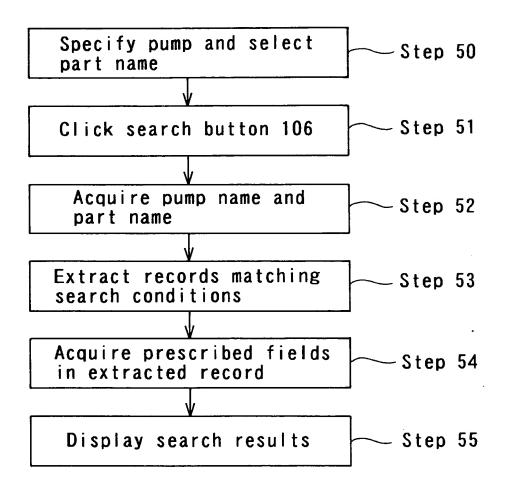
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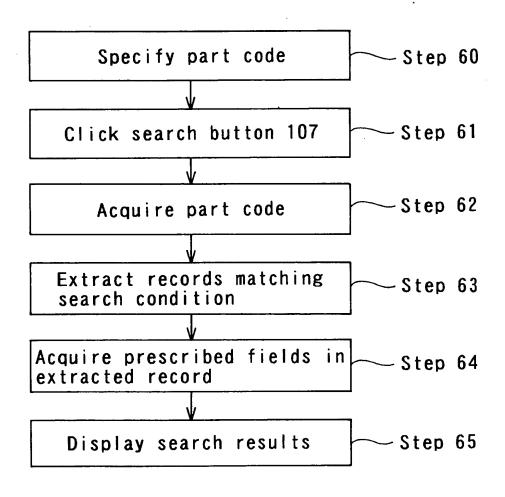
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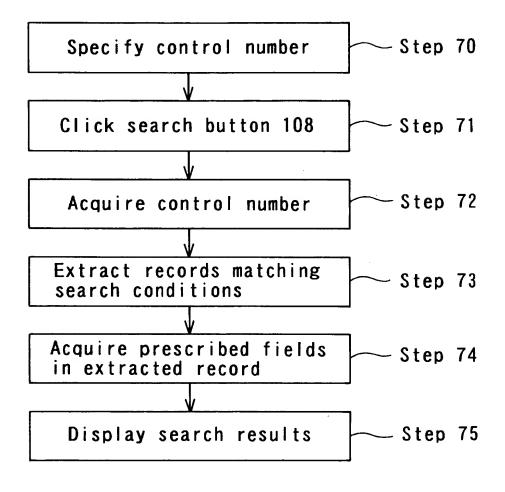
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				Number of	the pumps	-	-	-	-					
				Numbering	of the pump	1/1	2/2	1/2	1/1	1/1				
·				Serial number		QK659267	QK659267	RG18032-04	RG20325	QY658141				
mon part	Impeller	CIC01-2945		Size/model		40x251FWM	40x251FWM	40X251FWM	40X251FWM	40X251FWM				
including the common part	Part name	Part code C	Control number	Equipment number		PU-114A	PU-114B	ZAP-1009A	KAPU-111	PU-301				
List of pumps includ				Plant name		AAA	AAA	888	ວວວ	000				

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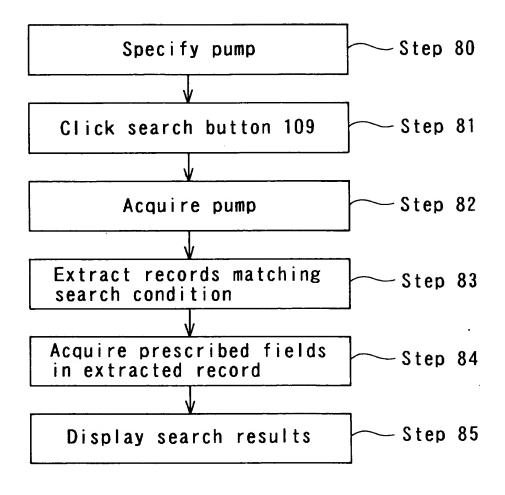
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List of pumps including the common part

	Ξ
Part code	Control number AA-
	Part code

_						 	_		
Number of the pumps	1	-		1	1				
Numbering of the pump	7/1	2/2	1/5	1/1	1/1				
Serial number Numbering of the pump	QK659267	QK659267	RG18032-04	RG20325	QY658141				
Size/model	40X251FWM	40X251FWM	40X251FWM	40X251FWM	40X251FWM				
Equipment number Size/model	PU-114A	PU-114B	ZAP-1009A	KAPU-111	PU-301				
Plant name	AAA	AAA	888	200	DDD				

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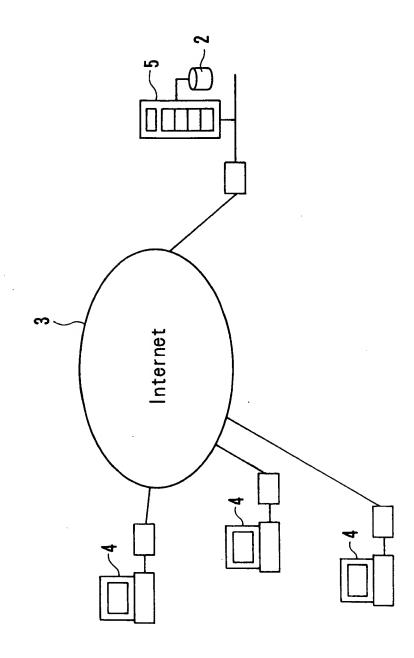
Numbering of the pump 1/2

riant name	AAA
Equipment number	PU-114A
Size/model	40x25!FWM
Serial number	QK659267
Numbering of the pump	1/2

Table of all components of the pump for after-sales service

Part name	Part code	Part name	Material of Number of	Number of	Control	Amount
mpeller	C1C01-2945	Impeller40x25 20 NC	SCS14	11c pai 13	AAA-111	2000
Shaft	CIS01-3451	IST-130 63NC	SUS316	-		
Impeller nut	CIS71-4211	107-116	SUS316	1		
Set screw	SCNS-C301	CNS-M5x11	SUS316	1		
Case wearing ring 1	SLY-C296	LY-76	SUS316	1		
Case wearing ring 2	CIS81-4042	LYN-108	SUS316	1		
O-ring for mechanical cover	S0G0G-T271	0-ring G55	TEFLON	1		
Shaft sleeve	CIS31-3441	ISLU-135	SUS316	1		
Recommended shaft sleeve	CIS11-3161 (Recommended)	ISLB-135	SUS316	1		
Mechanical seal	CIS41-4602	135-MU EAT	CM/C	1		
Recommended mechanical seal	CIS72-40741 (Recommended)	135-MB-TG	Sic/c	1		
Radial bearing	SGB-6306	Ball bearing #6306	STD			
Thrust bearing	SBG-6306	Ball bearing #6306	STD	1		
Oil seal	SSL0-Q211	SB30x42x8	STD	2		
Body gasket	C1S41-0663	CSPK-224x240x1	V#6500A0	-		
Sleeve packing	C1S71-4107	I SLPK-22X29X1	V#7010-2	-		
Recommended mechanical cover	CIS61-4291 (Recommended)	MBQ-135	SUS316	-		





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